

Title (en)
VIBRATORY SYSTEM FOR COMPACTOR VEHICLES.

Title (de)
SCHWINGSYSTEM FÜR VERDICHTERFAHRZEUGE

Title (fr)
SYSTEME VIBRATOIRE POUR VEHICULES COMPACTEURS

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Application
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Abstract (en)
[origin: WO2004067848A1] The present invention is directed to a control system for sensing the vibration amplitude on a vibration compacting machine. In addition, the control system modifies the rotational speed of the eccentric assembly based on the vibration amplitude of the eccentric assembly. In one embodiment, the control system modifies the rotational speed of the eccentric assembly to match the optimum speed for the adjusted vibration amplitude when the eccentric assembly is adjusted to increase or decrease the vibration amplitude. Reducing the rotational speed of the eccentric assembly at high vibration amplitudes minimizes wear to each of the load bearing components in the vibration compacting machine resulting in an extended service life for the vibration compacting machine. Similarly, increasing the rotational speed of the eccentric assembly at low vibration amplitudes increases the effectiveness of the vibration compacting machine.

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